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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/589,511	06/08/2000	HIROSHI AOKI	WN-2164	1281

466 7590 08/22/2003
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EXAMINER

RYMAN, DANIEL J

ART UNIT	PAPER NUMBER
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2665

DATE MAILED: 08/22/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

B

Office Action Summary

Application No.

09/589,511

Applicant(s)

AOKI, HIROSHI

Examiner

Daniel J. Ryman

Art Unit

2665

20

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 6/8/2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 June 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3,4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification

1. The abstract of the disclosure is objected to because it exceeds 150 words in length.

Correction is required. See MPEP § 608.01(b).

2. The abstract of the disclosure is objected to because in the last line “abandon the transmission message during a predetermined time interval” should be “abandon the transmission message after a predetermined time interval”. Correction is required. See MPEP § 608.01(b).

3. The disclosure is objected to because of the following informalities: on page 3, line 23 “abandon the transmission message during a predetermined time interval” should be “abandon the transmission message after a predetermined time interval”.

Appropriate correction is required.

4. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: Mobile Radio System Capable of Resetting an Improperly Set VPI/VCI.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 2665

6. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's admitted prior art in view of Pasternak et al (USPN 5,648,969).

7. Regarding claim 1, Applicant admits as prior art a mobile radio system comprising a base station control apparatus for controlling first through N-th radio base stations each of which is connected to said base station control apparatus, where N represents a positive integer which is greater than one (page 1, line 1-page 3, line 14), said base station control apparatus transmitting first through N-th individual identifiers as first through N-th station identifiers to said first through said N-th radio base stations to allocate said first through said N-th individual identifiers to said first through said N-th radio base stations, respectively, on a start-up sequence of each of said first through said N-th radio base stations (page 1, line 1-page 3, line 14), said base station control apparatus transmitting a transmission message signal having an n-th individual identifier as a transmission individual identifier to an nth radio base station to carry out a link connection between said base station control apparatus and said n-th radio base station, where n is a variable between one and N, both inclusive (page 1, line 1-page 3, line 14), wherein said n-th radio base stations comprises: first means for comparing said transmission individual identifier with said n-th station identifier to abandon said transmission message signal when said transmission individual identifier is not coincident with said n-th station identifier (Fig. 1 and page 1, line 1-page 3, line 14); and second means for making said first means become a reset state when said first means continues to abandon said transmission message signal during a predetermined time duration. Applicant does not admit as prior art having the n-th radio base stations comprises second means for making the first means become a reset state when said first means continues to abandon said transmission message signal during a predetermined time duration. Pasternak

Art Unit: 2665

teaches, in a radio system using ATM connections, having a VCI/VPI table capable of automatic updating that contains a predetermined time duration (time stamp) which is used to time-out connections on which traffic is not received (col. 6, line 35-54). Applicant's prior art teaches manually resetting a connection when no traffic is received on the connection due to transmission errors during set-up. Pasternak teaches automatically removing a connection when no traffic is received on the connection during a predetermined time duration in order to allow automatic updating in a device. It would have been obvious to one of ordinary skill in the art at the time of the invention to have second means for making the first means become a reset state when said first means continues to abandon said transmission message signal during a predetermined time duration in order to allow a device to automatically reset (update) its connections.

8. Regarding claim 2, referring to claim 1, Applicant's admitted prior art in view of Pasternak discloses that the base station control apparatus is connected to each of said first through said N-th radio base stations by an ATM fashion (Applicant: Fig. 1 and page 1, line 1-page 3, line 14 and Pasternak: col. 6, line 35-54).

9. Regarding claim 3, referring to claim 2, Applicant's admitted prior art in view of Pasternak discloses that the transmission individual identifier is transmitted in VPI/VCI of an ATM cell from said base station control apparatus to said n-th radio base station (Applicant: Fig. 1 and page 1, line 1-page 3, line 14 and Pasternak: col. 6, line 35-54).

10. Regarding claim 4, referring to claim 3, Applicant's admitted prior art in view of Pasternak discloses that the base station control apparatus again carries out said start-up sequence of said n-th radio base station when said second means makes said first means become

Art Unit: 2665

said reset state in said n-th radio base station (Applicant: Fig. 1 and page 1, line 1-page 3, line 14 and Pasternak: col. 6, line 35-54).

11. Regarding claim 5, referring to claim 3, Applicant's admitted prior art in view of Pasternak discloses that the first means produces an error to indicate said error when said transmission individual identifier is not coincident with said n-th station identifier (Applicant: Fig. 1 and page 1, line 1-page 3, line 14).

12. Regarding claim 6, referring to claim 3, Applicant's admitted prior art in view of Pasternak discloses that the first means comprises a VPI/VCI filter for filtering said transmission message signal to obtain said transmission individual identifier from said transmission message signal, said VPI/VCI filter judging whether or not said transmission individual identifier is coincident with said n-th station identifier (Applicant: Fig. 1 and page 1, line 1-page 3, line 14).

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hyden et al (USPN 5,774,461) see col. 2, lines 50-51 and col. 8, line 66-col. 9, line 20 which discloses timing out a connection at a destination and resetting the connection by the source when a token is lost due to transmission errors. Nagami et al (USPN 6,343,322) see col. 25, lines 35-53; col. 27, lines 10-14; and col. 27, line 64-col. 28, line 12 which discloses timing out a connection when traffic is not received on the connection due to transmission errors.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel J. Ryman whose telephone number is (703)305-6970. The examiner can normally be reached on Mon.-Fri. 7:00-5:00 with every other Friday off.

Art Unit: 2665

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (703)308-6602. The fax phone numbers for the organization where this application or proceeding is assigned are (703)308-6743 for regular communications and (703)308-9051 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-3900.

Daniel J. Ryman
Examiner
Art Unit 2665

DSR

Daniel J. Ryman
August 8, 2003



HUY D. VU
SUPERVISORY PATENT EXAMINER
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